LIST OF PUBLICATIONS Department of Pharmacology, MCOPS Manipal

2017

1. Albi Francis, Yogendra Nayak, Modulation of Doxorubicin-Induced Cardiotoxicity by Averrhoa bilimbi extract, J Young Pharm, 2017; 9(1): 69-77.
2. Sanchari Basu Mallik, Aravinda Pai, Rekha R. Shenoy, B.S. Jayashree, Novel flavonol analogues as potential inhibitors of JMJD3 histone demethylase-A study based on molecular modelling, Journal of Molecular Graphics and Modelling, Journal of Molecular Graphics and Modelling, 2017.
3. Grandhi Venkata Ramalingayya , Sri Pragnya Cheruku, Pawan G Nayak, Anoop Kishore, Rekha Shenoy, Chhamallamudi Mallikarjuna Rao, Nandakumar Krishnadas, Rutin protects against neuronal damage in vitro and ameliorates doxorubicin-induced memory deficits in vivo in Wistar rats, Drug Design, Development and Therapy, 1011-1026, 2017.
4. Aditya Narayan Pande, Subhankar Biswas, Neetinkumar D. Reddy, B.S. Jayashree, Nitesh Kumar, C. Mallikarjuna Rao, In Vitro and in vivo Anticancer Studies of 2'-Hydroxy Chalcone Derivatives Exhibit Apoptosis in Colon Cancer Cells by HDAC Inhibition and cell cycle arrest, EXCLI Journal 2017, 16:448-463-ISSN 1611-2156.
5. Subhankar Biswas, C. Mallikarjuna Rao, Epigenetics in cancer: Fundamentals and Beyond, Pharmacology & Therapeutics, 173 (2017) 118–134.
6. Thomas John Philip Nalloor, Nitesh Kumar, Kasinathan Narayanan and Vasanth Raj Palanimuthu, Long-term exposure to a butter-rich diet induces mild-to-moderate steatosis in Chang liver cells and Swiss albino mice models, Journal of Basic and Clinical Physiology and Pharmacology, Vol: 28, Issue:3, 2017.
7. Nitesh Kumar, Anil Choudhary, Amit Tiwari, Amol Rasal, Raghu Jetti, and C. Mallikarjuna Rao, Evaluation of Hepatoprotective Effect of Aqueous Extract of Schrebera swietenioides Bark Against Carbon Tetrachloride-Induced Toxicity in Wistar Rats, Advanced Science Letters, Vol. 23, 1917–1920, 2017.
8. Shilpee Chaudhary, Kodangala Subraya Chandrashekar∗, Karkala Sreedhara Ranganath Pai, M. M. Setty, Raviraj Anand Devkar, Neetinkumar Dnyanoba Reddy, and Subhankar Biswas, Screening of Anticancer Activity of Selected Medicinal Plants Indigenous to Western Ghats: Argyreia nervosa, Memecylon malabaricum and Memecylon umbellatum, Advanced Science Letters, Vol. 23, 1781–1784, 2017.
9. Prateek Jain, Nitesh Kumar, Mradul Tiwari, J. Venkata Rao, and N. Udupa, Decitabine Nanoparticles Supplement Docetaxel in the Treatment of Non Small Cell Lung Cancer (NSCLC), Advanced Science Letters, Vol. 23, 1921–1924, 2017
10. Shilpee Chaudhary, Manganahalli Manjunath Setty, and Karkala Sreedhara Ranganath Pai, Anticancer Activity of Stem Bark Extract and Fractions of Wrightia tinctoria in Transplantable Tumors in Mice, Advanced Science Letters, Vol. 23, 1995–2000, 2017.
11. Anand M. Bokare, A. K. Praveenkumar, Mandar Bhonde, Yogendra Nayak, Ravindra Pal & Rajan Goel, 5-HT6 Receptor Agonist and Antagonist Against β-Amyloid-Peptide-Induced Neurotoxicity in PC-12 Cells, Neurochemical Research, DOI 10.1007/s11064-017-2217-9.
12. Madhavan Nampoothiri, Nitesh Kumar, Grandhi Venkata Ramalingayya, Nampurath Gopalan Kutty, Nandakumar Krishnadas and Chamallamudi Mallikarjuna Rao, Effect of insulin on spatial memory in aluminum chloride-induced dementia in rats, Cellular, molecular and developmental neuroscience, 2017, Vol 28 No 9.
13. Umakant Ashok Bahirata, Rekha Raghuveer Shenoy, Rajan Naresh Goela, Kumar V.S. Nemmania, APD668, a G protein-coupled receptor 119 agonist improves fat tolerance and attenuates fatty liver in high-trans fat diet induced steatohepatitis model in C57BL/6 mice, European Journal of Pharmacology, 801 (2017) 35–45.
14. Vasif Ahammed , Reema Narayan , John Paul , Yogendra Nayak, Bisakha Roy, Gopal V. Shavi , Usha Y. Nayak, Development and in vivo evaluation of functionalized ritonavir proliposomes for lymphatic targeting, Life Sciences, 183 (2017) 11–20.
15. Grandhi Venkata Ramalingayya, Vishwajeet Sonawane, Sri Pragnya Cheruku, Anoop Kishore, Pawan G. Nayak, Nitesh Kumar, Rekha R. Shenoy, & Krishnadas Nandakumar, Insulin Protects against Brain Oxidative Stress with an Apparent Effect on Episodic Memory in Doxorubicin-Induced Cognitive Dysfunction in Wistar Rats, Journal of Environmental Pathology, Toxicology and Oncology, 36(2):121–130 (2017)Nampoothiri M, John J, Kumar N, Mudgal J, Nampurath GK, Chamallamudi MR. (2015) Modulatory Role of Simvastatin against Aluminium Chloride-Induced Behavioural and Biochemical Changes in Rats. Behav Neurol. 2015:1-9.
16. Beeran AA, Maliyakkal N, Rao CM, Udupa N. (2015) The enriched fraction of Elephantopus scaber Triggers apoptosis and inhibits multi-drug resistance transporters in human epithelial cancer cells. Pharmacogn Mag. 11(42):257-68.
17. Mubeen M, Kini GS, Pai KS. (2015) Design, synthesis, antioxidant and anticancer activity of novel pyrazole derivatives, Scholars Research Library, Der Pharma Chemica. 7(2):215-23.
18. Chaudhary S, Chandrashekar KS, Pai KS, Setty MM, Devkar RA, Reddy ND, Shoja MH. (2015) Evaluation of antioxidant and anticancer activity of extract and fractions of Nardostachys jatamansi DC in breast carcinoma, BMC Comp Alternat Med. 15:50
19. Ega D, Attari Z, Mudgal J, Bairy LK, Vishnuprasad S, Nampurath GK. (2015) Anti-tubercular Activity of Synthesized Novel 2, 5-disubstituted-1, 3, 4-oxadiazole Derivatives. Indian Drugs. 52(2):40-4.
20. John J, Nampoothiri M, Kumar N, Mudgal J, Nampurath GK, Mallikarjuna Rao C. (2015) Sesamol, a lipid lowering agent, ameliorates aluminium chloride induced behavioral and biochemical alterations in rats. Pharmacog Mag. 11(42):327.
21. Kondamudi PK, Kovelamudi H, Nayak PG, Rao MC, Shenoy RR. (2015) Curcumin half analog modulates interleukin-6 and tumor necrosis factor-alpha in inflammatory bowel disease. Pharmacog Mag. 11(44):296.
22. Maliyakkal N, Beeran AA, Balaji SA, Udupa N, Pai SR, Rangarajan A. (2015) Effects of Withania somnifera and Tinospora cordifolia extracts on the side population phenotype of human epithelial cancer cells toward targeting multidrug resistance in cancer. Integ Cancer Therap. 14(2):156-71.
23. Naga Naresh D, Nayak UY, Musmade P, Mutalik S, Nayak Y. Preparation, characterization and pharmacokinetic study of nelfinavir nanocrystals for oral bioavailability enhancement. Current Nanoscience. 2015;11(3):379-87.
24. Rai US, Isloor AM, Shetty P, Pai K, Fun H-K. (2015) Synthesis and in vitro biological evaluation of new pyrazole chalcones and heterocyclic diamides as potential anticancer agents. Arabian J Chem. 8(3):317-21.
25. Rajappan R, Ramachandran VP, Pai KSR, Arunkumar G, Rao JV, Jagani H, Kini SG. (2015) Molecular docking, pharmacophore modeling and 3D-QSAR approach on a series of piperidone derivatives as potential anticancer agents by targeting the enzyme VEGFR-2 tyrosine kinase. Der Pharma Chemica. 7(4):155-63.
26. Reddy ND, Shoja MH, Jayashree B, Nayak PG, Kumar N, Prasad VG, Pai KSR, Rao CM. (2015) In vitro and in vivo evaluation of novel cinnamyl sulfonamide hydroxamate derivative against colon adenocarcinoma. Chem Biol Interact.233:81-94.
27. Revathi R, Perumal RV, Pai KSR, Arunkumar G, Sriram D, Kini SG. (2015) Design, development, drug-likeness, and molecular docking studies of novel piperidin-4-imine derivatives as antitubercular agents. Drug Des Devel Ther.9:3779-87.
28. Shoja MH, Reddy ND, Nayak PG, Srinivasan K, Rao CM. (2015) Glycosmis pentaphylla (Retz.) DC arrests cell cycle and induces apoptosis via caspase-3/7 activation in breast cancer cells. J Ethnopharmacol. 168:50-60.
29. Simon L, Srinivasan K, Rao CM, Kumar N, Reddy N, Biswas S, Moorkoth S. (2015) Synthesis and evaluation of anti-cancer activity of some 6-Aminoflavones. International J Pharm Chem. 5(7):240-6.
30. Sunil D, Isloor AM, Shetty P, Pai K, Balaji S. (2015) Triazolo-thiadiazepine as a potent apoptotic DNA degradation agent and MetAP2 inhibitor against human breast adenocarcinoma cells. Chem Biol Interface. 5(1):63-75.
31. Mudgal J, Gowdra SV,Mathew G, Nayak PG, Reddy ND, Namdeo N, Kumar RR, Kantamaneni C, Chamallamudi MR, Gopalan KN. (2014) Remedial effects of novel 2,3-disubstituted thiazolidin-4-ones in chemical mediated inflammation, Chem Biol Interact 210:34-42.
32. Kondamudi PK, Kovelamudi H, Mathew G, Nayak PG, Rao CM, Shenoy RR. (2014) Investigation of sesamol on myeloperoxidase and colon morphology in acetic acid-induced inflammatory bowel disorder in albino rats. Sci World J. 2014, 7.
33. Jetti R, Raghuveer CV, Rao CM, Somayaji SN, Babu B. (2014) Neuroprotective effect of Ascorbic acid and Ginkgo biloba against Fluoride caused Neurotoxicity, IOSR J Env Sci, Toxicol Food Tech. 8(1):30-36.
34. Atulya M, Mathew AJ, Rao JV, Rao CM (2014) Influence of milk components in establishing biofilm mediated bacterial mastitis infections in cattle: A fractional factorial approach. Res Vet Sci 96:25-7.
35. Dhayabaran D, Florance EJ, Nandakumar K, Shanmugarathinam A, Puratchikody A. (2014) Anticonvulsant activity of fraction isolated from ethanolic extract of heartwood of Cedrus deodara, J Nat Med. 68:310-5.
36. Sirasanagandla SR, Pai KS, Potu BK, Bhat KM. (2014) Beneficial effect of Cissus quadrangularis Linn. on osteopenia associated with streptozotocin-induced type 1 iabetes mellitus in male wistar rats. Adv Pharmacol Sci.2014:1-10.
37. Sirasanagandla SR, Pai KS, Potu BK, Bhat KM. (2014) Protective effect of Cissus quadrangularis Linn. on diabetes induced delayed fetal skeletal ossification*.* J Ayu Integr Med. 5(1):25-32.
38. Sunil D, Balaji RS, Pai KS. (2014) (E)-1-(2,3-dimethoxyphenyl)-N-(4-methylpyridin-2yl) methanimineas a potent anticancer agent against colorectal cancer. Int J Pharm Chem. 4(1): 1–5.
39. Gowdra VS, Mudgal J, Bansal P, Nayak PG, Reddy SA, Shenoy GG, Valiathan M, Mallikarjuna RC, Gopalan KN. (2014) Synthesis, characterization, and preclinical evaluation of new thiazolidin-4-ones substituted with p-chlorophenoxy acetic acid and clofibric acid against insulin resistance and metabolic disorder. Bio Med Research Int. 2014:14.
40. Prasad GV, Kawade S, Jayashree B. S., Reddy N, Francis A, Nayak PG, Kishore A, Nandakumar K, Rao CM, Shenoy RR, Iminoflavones combat 1,2-dimethyl hydrazine-induced aberrant crypt foci development in colon cancer. Bio Med Res Int. 2014:7.
41. Goyal RK, Bhise SB, Srinivasan BP, Mallikarjuna Rao C, Sen T, Koneri R. (2014) Curriculum for pharmacology in pharmacy institutions in India: Opportunities and challenges, Indian J Pharmacol. 46:241-5.
42. Nampoothiri M, Reddy ND, John J, Kumar N, Kutty NG, Rao CM. (2014) Insulin blocks glutamate-induced neurotoxicity in differentiated SH-SY5Y neuronal cells. Behav Neurol. 2014:8.
43. Kumar N, Rai A, Reddy ND, Raj PV, Jain P, Deshpande P, Mathew G, Kutty NG, Udupa N, Rao CM. (2014) Silymarin liposomes improves oral bioavailability of silybin besides targeting hepatocytes and immune cells. Pharmacol Rep. 66:788-98.
44. Chaoudary J, Kini GS, Pai KS, Mubeen M. (2014) Docking studies and biological activity of fosinopril analogs. Int J Med Chem. 2014:5.
45. Kumar N, Dhamija I, Raj PV, Jayashree B, Parihar V, Manjula SN, Thomas S, Kutty NG, Rao CM. (2014) Preliminary investigation of cytotoxic potential of 2-quinolone derivatives using in vitro and in vivo (solid tumor and liquid tumor) models of cancer. Arabian J Chem. 7: 409-17.
46. Nayak Y, Venkatachalam H, Daroji VK, Mathew G, Jayashree BS, Unnikrishnan MK. (2014) Antidiabetic activity of 3-hydroxyflavone analogues in high fructose fed insulin resistant rats. EXCLI J. 13:1055-74.
47. Durgashivaprasad E, Mathew G, Sebastian S, Reddy MS, Mudgal J, Kutty NG. (2014) Novel 2,5-disubstituted-1,3,4-oxadiazoles as anti-inflammatory drugs. Indian J Pharmacol. 46(5):521-6.
48. Kumar N, Dhayabaran D, Nampoothiri M, Nandakumar K, Puratchikody A, Lalani N, Dawood K, Ghosh A. (2014) Atypical antidepressant activity of 3,4-bis(3,4-dimethoxyphenyl) furan-2,5-dione isolated from heart wood of Cedrus deodara, in rodents, Korean J Physiol Pharmacol. 18:365-9.
49. Beeran AA, Maliyakkal N, Rao CM, Udupa N. (2014) The enriched fraction of Vernonia cinerea L. induces apoptosis and inhibits multi-drug resistance in human epithelial cancer cells. J Ethnopharmacol.158:33-42.
50. Sumalatha S, Pai KSR, Kumar N, Bhat MRK. (2014) Hepatoprotective Role of Caesalpenia bonduc: A Histopathological and Biochemical Study. J Clin Diagn Res. 8(11):HF05–HF07.
51. Sirasanagandla SR, Pai KS, Bhat KMR. (2014) Effect of Cissus quadrangularis Linn on skeletal growth in the neonates of diabetic rats, Int J Basic Clin Pharmacol. 3(5):824.
52. Patel A, Biswas S, Shoja MH, Ramalingayya GV, and Nandakumar K, Protective effect of aqueous extract of Solanum nigrum linn. leaves in rat models of oral mucositis, Hindawi Publishing Corporation, Sci World J. 2014:10.
53. Nayak Y, Hillemane V, Daroji VK, Jayashree BS, Unnikrishnan MK. (2014) Antidiabetic activity of benzopyrone analogues in nicotinamide-streptozotocin induced type 2 diabetes in rats, hindawi publishing corporation. Sci World J. 2014:12.
54. Dhamija I, Kumar N, Pai KS, Setty MM, Kumar S and Jana AK (2014) Exploration of antioxidant and antimicrobial potential of methanolic extract of root stock of Premna herbacea. Bangladesh J Pharmacol. 9(4). (doi.org/10.3329/bjp.v9i4.21165).
55. Sunil, D., Ranjitha, C., Murugappan, R., Pai, KSR. (2014). Oxazepine derivative as an antitumor agent and snail1 inhibitor against human colorectal adenocarcinoma. Int J Innovat Res Sci Eng Tech. 3(8).
56. Koganti S, Jagani HV, Palanimuthu VR, Mathew AJ, Rao CM, Rao JV. (2013). In vitro and in vivo evaluation of the efficacy of nanoformulation of siRNA as an adjuvant to improve the anticancer potential of cisplatin. Expt Mol Pathol. 94:137-47.
57. Mathew G, Jacob A, Drugashivaprasad E, Reddy ND, Unnikrishnan MK (2013). 6b, 11b-Dihydroxy-6b, 11b-dihydro-7H-indeno[1,2-b] naphtho[2,1-d]furan-7-one (DHFO), a small molecule targeting NF-kB, demonstrates therapeutic potential in immunopathogenic chronic inflammatory conditions, Int Immunopharmacol. 15:182-89.
58. Sunil D, Isloor AM, Shetty P, Nayak PG, Pai KS. (2013) In vivo anticancer and histopathology studies of schiff bases on Ehrlich ascitic carcinoma cells, Arabian J Chem. 6:25-33.
59. Dhamija I, Kumar N, Manjula SN, Parihar V, Setty MM, Pai KSR. (2013) Preliminary evaluation of in vitro cytotoxity and in vivo antitumor activity of Premna herbacea Roxb. In Ehrlich ascites carcinoma model and Dalton’s lymphoma ascites model. Exp Toxicol Pathol. 65:235-42.
60. Mathew AJ, Manuel A, Rao CM, Udupa N, Rao JV, Joy AM, Gandhi P, Radhakrishnan EK. (2013) Preliminary evaluation of in vitro cytotoxicity and in vivo antitumor activity of Xanthium strumarium in transplantable tumors in mice. Am J Chinese Med. 41(1):145-62.
61. Theerthahalli AS, Shenoy RR, Nayak PG, Mudgal J, Kumar N, Rao CM, Kutty NG. (2013) High carbohydrate diet with 30% sucrose solution: an optimized rodent model for simulating human insulin resistance. Pharmacol. 2013:157-63.
62. Isloor AM, Sunil D, Shetty P, Malladi S, Pai KSR, Maliyakkl N. (2013) Synthesis, characterization, anticancer, and antioxidant activity of some new thiazolidin-4-ones in MCF-7 cells. Med Chem Res. 22:758-67.
63. Kumar N, Mudgal J, Parihar VP, Nayak PG, Kutty NG, Rao CM. (2013) Sesamol treatment reduces plasma cholesterol and triacylglycerol levels in mouse models of acute and chronic hyperlipidemia. Lipids. 48:633-8.
64. Nayak PG, Paul P, Bansal P, Kutty NG, Pai KS, Sesamol prevents doxorubicin-induced oxidative damage and toxicity on H9c2 cardiomyoblasts, J Pharm Pharmacol. 65:1083-93.
65. Talwar S, Jagani HV, Nayak PG, Kumar N, Kishore A, Bansal P, Shenoy RR, Nandakumar K. (2013) Toxicol evaluation of Terminalia paniculata bark extract and its protective effect against CCl4-induced liver injury in rodents. BMC Complem Alter Med. 13:127.
66. Debnath T, Radhakrishnan R, Gopal M, Talwar S, Nandakumar K. (2013) Hypoglycaemic effects of alcoholic root extract of Borassus flabellifer (Linn.) in normal and diabetic rats. Pak J Pharm Sci. 26(4):673-79.
67. Kondamudi PK, Kovelamudi H, Mathew G, Nayak PG, Rao CM, Shenoy RR. (2013) Modulatory effects of sesamol in dinitrochlorobenzene-induced inflammatory bowel disorder in albino rats. Pharmacol Rep. 65:658-65.
68. Sunil D, Isloor AM, Shetty P, Pai KSR. (2013) Toxicity studies of triazolo-thiadiazoles in ehrlich ascitic carcinoma cells. Res J Pharm Sci. 2(6):1-6.
69. Jain P, Kumar N, Rao JV, Jagani HV, Udupa N, Rao CM, Raj PV. (2013) A study on the role of (+)-catechin in suppression of HepG2 proliferation via caspase dependent pathway and enhancement of its in vitro and in vivo cytotoxic potential through liposomal formulation. Eur J Pharm Sci. 50:353-65.
70. Patel A, RajeshS, Chandrashekhar VM, Rathnam S, Shah K, Rao CM, Nandakumar K. (2013) A rat model against chemotherapy plus radiation- induced oral mucositis, Saudi Pharm J 21:399-403.
71. Khan KA, Kumar N, Nayak PG, Nampoothiri M, Shenoy RR, Nandakumar K, Rao CM, Mudgal J. (2013) Impact of caffeic acid on aluminium chloride-induced dementia in rats, J Pharm Pharmacol 65:1745-52.
72. Jetti R, Raghuveer CV, Rao CMR. (2013) Protective effect of ascorbic acid and Ginkgo biloba against learning and memory deficits caused by fluoride, Toxicol Ind Health. 2013 (October).
73. Talwar S, Nayak PG, Mudgal J, Paul P, Bansal P, Nandakumar K. (2013). Evaluation of In vitro antiokidant and in vivo analgesic potential of Terminalia paniculata aqueous bark extract. J Med Food. 16(12):1153-61.
74. Usha YN, Srinivas, Nayak Y. (2013). Polymethacrylate coated valsartan tablets for ileo-colonic delivery: formulation development and in vitro and in vivo evaluations, Res J Pharm Tech. 6(12):1362-69.
75. Bhavesh VD, Nayak Y, Jayashree BS. (2013) In vitro antioxidant and antiglycation activity of Zingiber zerumbet (Wild Zinger) rhizome extract. Int J Res Pharm Sci. 4(4):482-89.
76. Sirasanagandla S, Pai KSR, Bhat KMR. (2013) Preventive role of Emblica offcinalis and Cissus quadrangularis on bone loss in osteoporosis. Int J Pharm Pharm Sci. 5(4): 465-70.
77. Maliyakkal N, Udupa N, Pai KS, Rangarajan A. (2013) Cytotoxic and apoptotic activities of extracts of Withania somnifera and Tinospora cordifolia in human breast cancer cells. Int JAppl Res Nat Prod. 6(4):1-10.
78. Raghu J, Raghuveer VC, Rao CM, Somayaji NS, Babu PB. (2013) The ameliorative effect of ascorbic acid and Ginkgo biloba on learning and memory deficits associated with fluoride exposure, Interdisc Toxicol. 6(4):217-21.
79. Viswanatha LG, Priyadarshini BJ, Nandakumar K, Janardhanan S, Rangappa S, Hanumanthappa S. (2012) Synthesis and antihistaminic activity of 3H-benzo [4,5] thieno [2,3-d][1,2,3] triazin-4-ones. Saudi Pharm J. 20:45-52.
80. Paul P, Bansal P, Nayak PG, Pannakal ST, Priyadarsini KI, Unnikrishnan MK. (2012) Polyphenolic fraction of Pilea microphylla (L.) protects Chinese hamster lung fibroblasts against r-radiation-induced cytotoxicity and genotoxicity. Env Toxicol Pharmacol 33:107-19.
81. Kumar SV, Sanghai DB, Rao CM, Shreedhara CS. (2012) Histological and physiochemical standardization of Melia azedarach. Linn bark, Asia Pac J Trop Biomed. 2012:s284-89.
82. Kumar N, Raj VP, Jayshree BS, Kar SS, Anandam A, Thomas S, Jain P, Rai A, Rao CM. (2012) Elucidation of structure-activity relationship of 2-quinolone derivatives and exploration of their antitumor potential through BAX-induced apoptotic pathway. Chem Biol Drug Des. 80:291-9.
83. Bansal P, Paul P, Mudgal J, Nayak PG, Pannakal ST, Priyadarsini KI, Unnikrishnan MK. (2012) Antidiabetic, antihyperlipidemic and antioxidant effects of the flavonoid rich fraction of pilea microphylla (L.) in high fat diet/streptozotocin-induced diabetes in mice. Expt Toxicol Pathol. 64:651-8.
84. Venkatachalam H, Nayak Y, Jayashree BS. (2012) Evaluation of the antioxidant activity of novel synthetic chalcones and flavonols. Int J Chem Eng Appl. 3(3):216-9.
85. Daksha G, Chandrashekar, Lobo R, Yogendra, Nilesh G. (2012) In-vitro antidiabetic activity of stem bark of Bauhinia purpurea linn. Der Pharm Lett. 4(2):614-9.
86. Jayashree BS, Alam A, Nayak Y, Kumar DV. (2012) Synthesis of 3-methylflavones and their antioxidant and antibacterial activities, Med Chem Res. 21:1991-96.
87. Dhayabaran D, Florance J, Nandakumar K, Puratchikody A. (2012) Isolation and anxiolytic activity of 3,4-bis(3,4-dimethoxyphenyl) furan-2,5-dione from the ethanolic extract of heart wood of Cedrus deodara, Med Chem Res. 19(7):617-716.
88. Dhayabaran D, Florance J, Nandakumar K, Indumathi, Muralidhar. (2012) Anticonvulsant activity of alcoholic root extract of Cardiospermum halicacabum. Brazilian J Pharmacog. 22(3):623-29.
89. Jayashree BS, Chaturvedi P, Venkatachalam H, Chaudary PV, Nayak Y. (2012) Antiglycation and anticancer activity of some newer synthetic flavones. Der Pharm Chem. 4(4):1626-30.
90. Bansal P, Paul P, Kunwar A, Jayakumar S, Nayak PG, Priyadarsini KI, Unnikrishnan MK. (2012) Radioprotection by quercetin-3-O-rutinoside, a flavonoid glycoside – A cellular and mechanistic approach. J Functional Foods. 4:924-32.
91. Naik RJ, Manohar V, Kulkarni, Pai KS, and Nayak PG. (2012) Click chemistry approach for bis-chromenyl triazole hybrids and their antitubercular activity. Chem Biol Drug Des. 80:516-23.
92. Nayak Y, Jayashree BS, Unnikrishnan MK. (2012) Benzopyran-4-one is an ideal Pharmacophore for lead Optimization in Antidiabetic Drug Discovery, Res J Pharm Tech. 5(8):1025-33.
93. Verma M, Kamath N, Kumar N, Rao JV, Dhanaraj SA, Raj VP. (2012) Screening of plant Macaranga peltata for in vitro antioxidant activity. Int J Med Pharm Sci. 3(01).
94. Pai KS, Srilatha P, Suryakant K, Setty MM, Nayak PG, Rao CM, Baliga MS. (2012) Anticancer activity of Berberis aristata in Ehrlich ascites carcinoma-bearing mice: A preliminary study. Pharm Biol. 50(3):270-77.
95. Bhat P, Mor V, Muttineni R, Pai KSR, Chowdary PV, Kota S. (2012) Pharmacophore modeling of delta and mu receptors and synthesis of Enkephlines with D-(LEU) C-terminal modification as delta selective agonists. Int J Pharm Tech. 4(2):4350-91.
96. Nampoothiri MG, Varkey J, Noufal CV. (2012) Sub-acute malathion induced cardiotoxicity in wistar rats: protective effect of vitamin C, Int J Biol Pharm Res. 3(6):779-83.
97. Mathew G, Unnikrishnan MK. (2012) The emerging environmental burden from pharmaceuticals. Econ Pol Week. XLVII No 18.
98. Mathew AJ, Rao CM, Manuel A, Rao AJ, Udupa N, Hebbar K. (2012) Acute and subacute toxicity of chloroform and hexane extracts of root of Xanthium strumarium, Comp Clin Pathol. 21:1223-30.
99. Reddy SM, Mudgal J, Bansal P, Vasathraju SG, Srinivasan KK, Rao CM, Kutty NG, Antioxidant, anti-inflammatory and anti-hyperglycaemic activites of heterocyclic homoprostanoid derivatives. Bioorg Med Chem 19:384-92.
100. Shenoy RR, Sudheendra AT, Nayak PG, Paul P, Kutty NG, Rao CM. (2011) Normal and delayed wound healing is improved by sesamol, an active constituent of Sesamum indicum (L.) in albino rats. J Ethnopharmacol. 133:608-12.
101. Kumar R, Murugananthan G, Nandakumar K, Talwar S. (2011) Isolation of anxiolytic principle from ethanolic root extract of Cardiospermum halicacabum, Phytomedicine. 18:219-23.
102. Kumar AY, Nandakumar K, Handral M, Talwar S, Dhayabaran D. (2011) Hypoglycaemic and anti-diabetic activity of stem bark extracts Erythrina indica in normal and alloxan-induced diabetic rats. Saudi Pharm J. 19:35-42.
103. Nayak Y, Mor V and Unnikrishnan MK. (2011). Research in Pharmacy schools of India: a study based on scopus database, Indian J Pharm Edu Res. 45(1):1-7.
104. Arumugam K, Rao CM, Gilibili RR, Mullangi R, Ganesan S, Udupa N. (2011) Development and validation of a HPLC method for quantification of rivastigmine in rat urine and identification of a novel metabolite in urine by LC-MS/MS, Biomed Chromat. 2011:353-61.
105. Bankar G, Nayak PG, Bansal P, Paul P, Pai KS, Singla RK, Bhat GV (2011) Vasorelaxant and antihypertensive effect of Cocos nucifera linn. Endocarp on isolated rat thoracic aorta and DOCA salt-induced hypertensive rats. J Ethnopharmacol 134:50-54.
106. Talwar S, Nandakumar K, Nayak PG, Bansal P, Mudgal J, Mor V, Mallikarjuna Rao C, Lobo R. (2011) Anti-inflammatory of Terminalia paniculata bark extract against acute and chronic inflammation in rats. J Ethnopharmacol. 134:323-28.
107. Deshpande SR, Pai KV, Pai KSR. (2011) Design and synthesis of certain mesoionic sydnonyl styrylketones as potential nonsteroidal anti-inflammatory agents, Arzneimittelforschung. 61(3):180-5.
108. Mathew AJ, Rao CM, Manuel A, Rao JV, Udupa N, Hebbar K. (2011) Acute and subacute toxicity of chloroform and hexane extracts of root of Xanthium strumarium. Comp Clin Pathol. DOI 10. 1007/s00580-011-1269-5.
109. Mehrotra A, Shanbhag R, Rao CM, Singh VP, Mudgal J. (2011) Ameliorative effect of caffeic acid against inflammatory pain in rodents, Eur J Pharmacol. 666:80-6.
110. Paul P, Unnikrishnan MK, Nagappa AN. (2011) Phytochemicals as radioprotective agents A Review. Indian J Nat Prod Res. 2(2):137-50.
111. Rao CM, Sudheendra AT, Nayak PG, Paul P, Kutty NG, Shenoy RR. (2011) Effect of Dehydrozingerone, a half analog of curcumin on dexamethasone-delayed wound healing in albino rats. Mol Cell Biochem.35:249-56.
112. Joseph LJ, Bhartiya US, Raut YS, Hawaldar RW, Nayak Y, Pawar YP, Jambhekar NA, Rajan MG. (2011) Radioprotective effect of Ocimum sanctum and amifostine on the salivary gland of rats after therapeutic radioiodine exposure, Cancer Biother Radiopharm. 26(6):737-43.
113. Raj VP, Nitesh K, Prateek J, Sankhe NM, Rao JV, Rao CM, Udupa N (2011) Effect of lecithin on d-galactosamine induced hepatotoxicity through mitochondrial pathway involving BCL-2 and BAX. Indian J Clin Biochem. 26(4):378-84.
114. Malik JK, Noolvi MN, Manvi FV, Nanjwade BK, Patel HM, Manjula SN, Rao CM, Barve A. (2011) Synthesis and preliminary in-vitro cytotoxic activity of novel substituted diaryl-imidazo [2,1,b]-benzothiazole derivatives, Lett Drug Des Discov. 8:717-24.
115. Arumugam K, Chamallamudi MR, Mallayasamy SR, Mullangi R, Ganesan S, Jamadar L, Ranjithkumar A, Udupa N. (2011). High performance liquid chromatographic fluorescence detection method for the quantification of rivastigmine in rat plasma and brain: application to preclinical pharmacokinetic studies in rats. J Young Pharm. 3(4): 315-21.
116. Jayashree BS, Kumar A, Pai A, Nayak Y. (2011) Synthesis, characterization and antimicrobial actvity of novel analogues of flavones. Pharmacologyonline 2: 963-73.
117. Bansal P, Paul P, Nayak PG, Pannakal ST, Zou J, Laatsch H, Priyadarsini KI, Unnikrishnan MK. (2011) Phenolic compounds isolated from Pilea microphylla prevent radiation-induced cellular DNA damage, Acta Pharmaceutica Sinica B. 1(4):226-35.
118. Das D, Dash D, Mandal T, Kishore A, Bairy KL. (2011) Protective effects of Moringa oleifera on experimentally induced gastric ulcers in rats. Res J Pharm Biol Chem Sci. 2(2): 50-4.
119. Bansal P, Paul P, Shankar G, Munjal D, Nayak PG, Priyadarsini KI, Unnikrishnan MK. (2011) Flavonoid rich fraction of Pilea microphylla (L.) attenuates metabolic abnormalities and improves pancreatic function in C57BL/KsJ-db/db mice. Biomed Prev Nut. 1:268-72.
120. Viswanatha GL, Hanumanthappa S, Nandakumar K, Rangappa S. (2011) Antidiarrheal effect of fractions from stem bark of Thespesia populnea in rodents: Possible antimotility and antisecretory mechanisms. Asian Pacific J Trop Med. 4(6):451-56.
121. Mor V, Unnikrishnan MK. (2011). Adenosine monophosphate-activated protin kinase and the metabolic syndrome. End Metab Immune Dis Drug Targets. 11(3):206-16.
122. Shenoy RR, Theerthahalli AS, Nayak PG, Paul P, Kutty NG, Rao CM. (2011) Pro-healing effects of morin, a natural antioxidant, on normal and dexamethasone-impaired wounds. J Basic Clin Physiol Pharmacol. 4:131-35.
123. Rajesh R, Vidyasagar S, Varma DM, Krishnadas N. (2011) Highly active antiretroviral therapy induced drug-drug interactions in India human immunodeficiency virus positive patients. J Clin Med. Res. 3(5):60-7.
124. Viswanatha GL, Vaidya SK, Ramesh C, Nandakumar K, Rangappa S. (2010) Antioxidant and antimutagenic activities of bark extract of Terminalia arjuna, Asian Pac Trop Med. 3(12): 965-70.
125. Dhayabaran D, Florance EJ, Nandakumar K, Puratchikody A. (2010) Anxiolytic and anticonvulsant activity of alcoholic extract of heart wood of Cedrus deodara roxb in rodents. J Med Plants Res. 4(14):1374-81.
126. Veerapur VP, Prabhakar KR, Kandadi MR, Srinivasan KK, Unnikrishnan MK. (2010) Antidiabetic effect of Dodonaea viscose aerial parts in high fat diet and low dose streptozotocin-induced type 2 diabetic rats: A mechanistic approach, Pharm Biol. 48(10): 1137-48.
127. Bankar GR, Kutty NG, Nayak PG, Bhattacharya S. (2010) A possible correlation between the correction of endothelial dysfunction and normalization of high blood pressure levels by 1,3,4-oxadiazole derivative, an L-type Ca2+ channel blocker in deoxycorticosterone acetate and NG-nitro-L-arginine hypertensive rats, Chem Biol Interact. 183:327-33.
128. Budagumpi SS, Kulkarni NV, Kurdekar GS, Revankar VK, Pai KSR. (2010) Synthesis, structure, electrochemistry and spectral characterization of (D-glucopyranose)-4-phenylthiosemicarbazide metal complexes and their antitumor activity against Ehrlich Ascites Carcinoma in Swiss albino mice. Eur J Med Chem. 45:106-13.
129. Kandadi MR, Rajanna PK, Unnikrishnan MK, Boddu PS, Hua Y, Li J, Du M, Ren J, Sreejayan N. (2010) 2-(3,4-Dihydro-2H-pyrrolium-1-yl)-3oxoindan-1-olate (DHPO), a novel, synthetic small molecule that alleviates insulin resistance and lipid abnormalities, Biochem Pharmacol. 79:623-31.
130. Bhatt S, Pandey DK, Pai KSR. (2010) Evaluation of potato tuber carboxypeptidase inhibitor with standard anti-thrombotic drugs in various thrombosis models, Int J Pharma Biol Sci. VI (1):1-9.
131. Jayashree BS, Thejaswini JC, Nayak Y, Kumar DV, Synthesis of novel flavone acyl esters and correlation of log P Value with antioxidant and antimicrobial activity. Asian J Chem. 22(2):1055-66.
132. Isloor AM, Kalluraya B, Pai KSR. (2010). Synthesis, characterization and biological activities of some new benzo[b]thiophene derivatives, Eur J Med Chem. 45:825-30.
133. Jayashree BS, Thomas S, Nayak Y. (2010). Design and synthesis of 2-quinolones as antioxidants and antimicrobials: a rational approach. Med Chem Res. 19:193-209.
134. Ramesh C. Nandakumar K, Radhakrishnan R, Rangappa S, Viswanatha GL, Rajesh D, Gopal M, Talwar S. (2010) Anti-urolithiatic activity of heart wood extract of cedrus deodara in rats. J Compl Integ Med. 7(1), DOI: 10.2202/1553-3840.1311.
135. Jayashree BS, Alam A, Kumar DV, Nayak Y. (2012) Antioxidant and antibacterial activity of new 3-methylflavones, Indian J Hetero Chem. 19:237-40.
136. Raj PV, Nitesh K, Chandrashekhar HR, Rao CM, Rao JV, Udupa N. (2010). Effect of lecithin and silymarin on d-galactosamine induced toxicity in isolated hepatocytes and rats. Indian J Clin Biochem. 25(2):169-74.
137. Jayshree BS, Porwal B, Nayak Y, Kumar VD. (2010) Antibacterial of newly synthesised pyridinyl coumarin derivatives. Pharmacologyonline 1:190-9.
138. Manjula SN, Kenganora M, Parihar VK, Kumar S, Nayak P, Nitesh K, Pai KSR, Rao CM. (2010) Antitumor and antioxidant activity of Polyalthia longifolia stem bark ethanol extract. Pharm Biol. 48(6):690-96.
139. Raj VP, Chandrasekhar, Vijayan P, Dhanaraj SA, Mallikarjuna CR, Rao JV, Nitesh K. (2010) In vitro in vivo hepatoprotective effects of the total alkaloid fraction of Hygrophila auriculata leaves, Indian J Pharmacol. 42(2):98-103.
140. Devappa SL, Reddy V, Naik HS, Pai KS, Fasiulla RK, Naik HR, and Naik LR. (2010) synthesis, antitumor, and dna binding dehavior of novel 4-(2-hydroxyquinolin-3-yl)-6-phenyl-5, 6 dihydropyrimidin derivatives in aqueous medium, Nucleosides Nucleotides Nucleic Acid. 29:591-605.
141. Pitchaiah G, Viswanatha GL, Srinath R, Nandakumar K, Dayabaran D, Florance EJ. (2010) Anxiolytic and anticonvulsant activity of aqueous extract of stem bark of erythrina variegata in rodents. Int J Pharm Teach Res. 2(1):40-8.
142. Veerapur VP, Prabhakar KR, Parihar VP, Bansal P, Srinivasan KK, Priyadarsini KI, Unnikrishnan MK. (2010) Antidiabetic, hypolipidaemic and antioxidant activity of Dodonaea viscosa aerial parts in streptozotocin-induced diabetic rats. Int J Phytomed. 2: 59-70.
143. Veerapur VP, Prabhakar KR, Thippeswamy B, Bansal P, Srinivasan KK, Unnikrishnan MK. (2010) Antidiabetic effect of Dodonaea viscosa (L). Lacq. aerial parts in high fructose-fed insulin resistant rats: A mechanism based study, Indian J Expt Biol. 48:800-10.
144. Kunwar A, Bansal P, Kumar SJ, Bag PP, Paul P, Reddy ND, Kumbhare LB,Jain VK, Chaubey RC, Unnikrishnan MK, Priyadarsini KI. (2010) In vivo radioprotection studies of 3,3’-diselenodipropionic acid, a selenocystine derivative, Free Rad Biol Med. 48:399-410.
145. Nidhiya IS, Pai KS, Rao CM. (2010) Free radical scavenging activity of extracts of young prop roots of ficus bengalensis, Pharmacologyonline. 2:299-307.
146. Raj PV, Nitesh K, Gang SS, Jagani VH, Chandrashekhar HR, Rao JV, Rao CM, Udupa N. (2010) Protective role of catechin on d-galactosamine induced hepatotoxicity through a p53 dependent pathway. Indian J Clin Biochem. 25(4):349-56.
147. Potu BK, Rao MS, Kutty NG , Rao CM, Nayak SR, Thomas H, Anti-osteoporotic activity of the petroleum ether extract of cissus quadrangularis linn. in ovariectomized Wistar rats. Chang Gung Med J. 33(3):252-7.
148. Dhayabaran D, Florance EJ, Nandakumar K, Puratchikody A. (2010) Anxiolytic and anticonvulsant activity of alcoholic extract of heart wood of Cedrus deodara roxb. In rodents. J Med Plants Res. 4(14):1374-81.
149. Pitchaiah G, Viswanatha GL, Srinath R, Nandakumar K, Dayabaran D, Florance EJ. (2010) Anxiolytic and anticonvulsant activity of aqueous extract of stem bark of erythrina variegate in rodents. Int J Pharm Tech Res. 2(1):40-8.
150. Viswanatha GL, Vaidya SK, Ramesh C, Nandakumar K, Rangappa S. Antioxidant and antimutagenic activities of bark extract of Terminalia arjuna, Asian Pacific J Trop Med. 2010:965-70.
151. Murugananthan G, Deep P, Kumar R, Nandakumar K, Preparation of indegenous herbal formulation and its evalaution for antidiabetic activity. Pharmacologyonline 2:275-82.
152. Shetty R, Kumar V, Gajjar AK, Patel J, Reddy CM, Theerthahalli A, Bairy KL. (2009) Rapid quantification of Irinotecan in rat plasma by liquid chromatography – electrospray ionization tandem mass spectrometry – Application to preclinical pharmacokinetics. Pharmacologyonline. 2:605-15.
153. Viswanatha GL, Mudgal J, Akkinapally N, Murugananthan G, Nandakumar K. (2009) Autism - A neurological disorder in children, Pharmacologyonline. 3:693–736.
154. Mohan CG, Gokavi S, Viswanatha GL, Shylaja H, Nandakumar K. (2009) Analgesic and antiinflammatory activity of leaf extracts of Commiphora caudata in rodents, Pharmacologyonline 2:482-9.
155. Thabah P, Murugananthan G, Joshi NC, Nandakumar K, Lakshman K, Talwar S. (2009) Immunomodulatory activites of Wrightia tinctoria (Roxb.) R. Br bark extracts, Pharmacologyonline. 3: 663-669 (2009).
156. Bhatt S, Radhakrishnan M, Pandey DK, Pai KSR. (2009) TAFI: A potential target for fibrinolytic drugs, Pharmacologyonline 3:770-81.
157. Arumugam K, Mallikarjuna Rao C, Surulivel RM, Subramanian G, Shavi GV, Averineni R, Reddy R, Bhat KM, Udupa N. (2009) Gender differences in the pharmacokinetics of rivastigmine in rats. Arzeimittelforschung. 59(10):493-7.
158. Potu BK, Bhat KMR, Muddannd SR, Gopalan Kutty N, Mallikarjuna Rao C, Nayak SR, Muttigi MS. (2009) Petroleum ether extract of cissus quadrangularis (LINN.) Enhances bone marrow mesenchymal stem cell proliferation and facilitates osteoblastogenesis, Clinics. 64(10):993-8.
159. Shoumyo B, Bankar GR, Nayak PG, Shirwaikar A. (2009) Evaluation of anti-Inflammatory activity of aqueous and ethanolic extracts of acampe praemorsa on carrageenan-induced paw oedema in rats. Pharmacologyonline 2:315-9.
160. Potu BK, Muddanna SR, Gopalan Kutty N, Mallikarjuna Rao C, Prasad K, Nayak SR, Dharmavarapu PK, Kedage V, Bhat KMR. (2009) Evidence-based assessment of antiosteoporotic activity of petroleum-ether extract of Cissus quadrangularis Linn. On ovariectomy-induced osteoporosis. Upsala J Med Sci 114:140-8.
161. Bankar GR, Nandakumar K, Nayak PG, Thakur A, Mallikarjuna Rao C, Gopalan Kutty N. (2009) Vasorelaxant effect in rat aortic rings through calcium channel blockage: A preliminary in vitro assessment of a 1,3,4-oxadiazole derivative, Chem Biol Interact. 181:377-82.
162. Rasal AS, Nayak PG, Baburao K, Shenoy RR, Mallikarjuna Rao C. (2009) Evaluation of the Healing Potential of Schrebera swietenioides in the dexamethasone suppressed wound healing in rodents. Int J Low Extr Wound. 8:147-52.
163. Nayak UY, Shavi GV, Nayak Y, Ranjith KA, Mutalik S, Reddy SM, Gupta PD, Udupa N. (2009) Chronotherapeutic drug delivery for early morning surge in blood pressure: A programmable delivery system, J Control Release 136:125-31.
164. Theerthahalli SA, Shenoy R, Taranalli AD. (2009) Evaluation of saponin rich fraction of trigonella foenum graecum for antihypertensive activity, Pharmacologyonline 1:1229-33.
165. Nidhiya ISR, Pai KSR, Mallikarjuna Rao C. (2009) Growth promoting potential of Ficus bengalensis root extracts in immature female rats, Pharm Biol. 47(4):268-73.
166. Vasanth Raj P, Thiyagu R, Raghu Chandrasekar H, Rajan S, Venkata Rao J, Mallikarjuna Rao C. (2009) The role of Pharmacist in development of Pharmacogenetic testing and important updates of Pharmacogenomics, Pharmacologyonline 1:90-102.
167. Manjula SN, Noolvi MK. Vipan P, Reddy MSA, Ramani Vijay, Gadad AK, Singh G, Gopalan Kutty N, Mallikarjuna Rao C. (2009) Synthesis and antitumor activity of optically active thiourea and their 2-aminobenzothiazole derivatives: A novel class of anticancer agents, Eur J Med Chem. 44:2923-29.
168. Jayashree BS, Leela Rani J, Nayak Y, Vijaykumar D, Newer carbostyril derivatives for antibacterial activity, Pharmacologyonline 1:322-7.
169. Khayum MA, Nandakumar K, Gouda TS, Khalid SM, Venkat Rao N, Kumar SMS. (2009) Antiulcer activity of stem extracts of Tinospora malabarica (Lamk.). Phamacologyonline 1:885-90.
170. Rajesh S, Viswanatha GL, Shylaja H, Manohar D, Handral M, Nandakumar K, Srinath R. (2009) Antidiarrheal activity of stem bark extracts of spathodea companulata in rodents, Pharmacologyonline 1:396-405.
171. Rameshwar NK, Shenoy RR, Theerthahall AS, Mallikarjuna Rao C. (2009) Effect of berberis aristata on type I and II diabetes mellitus models in albino rats, Pharmacologyonline 1:89-96.
172. Theerthahalli SA, Shenoy R, Taranalli AD. (2009) Evaluation of Flavonoid Foenum-Graecum for its wound healing potential. Pharmacologyonline. 1:1154-62.
173. Kishore A, Kutty NG, Mathew SP, Zachariah RT, Potu BK, Muddanna SR, Valiathan M, Mallikarjuna Rao C. (2009) Antidiabetic effect through islet cell protection in streptozotocin diabetes: A preliminary assessment of two thiazolidin-4-ones in Swiss albino mice. Chem Biol Interact 177:242-6.
174. Sharma A, Vijayakumar M, Rao ChV, Unnikrishnan MK, Reddy GD. (2009) Action of Portulaca oleracea against Streptozotocin – Induced Oxidative Stress in Experimental Diabetic Rats. J Comp Int Med. (Article No1) 6(1).
175. Mohan CG, Gokavi S, Viswanatha GL, Shylaja, Nandakumar K, Analgesic and anti-inflammatory Activity of leaf extracts of Commiphora caudate in Rodents, Pharmacologyonline 2: (2009); 991-98.
176. Mukund H, Rao CM, Srinivasan KK, Santosh RF, Mamathadevi DS, Satish H. (2008) Hypoglycemic and hypolipidemic effect of Strobilanthes heyneanus in alloxan induced diabetic rats. Pharmacog Mag. 4:1-10.
177. Shetty R, Kini S, Musmade P, Therrthahalli A, Mohan C, Bhat KM. Patel J, Kumar V. (2008) Imatinib quantification in rat plasma by high performance liquid chromatography with ultra violet detection – An application to preclinical pharmacokinetic study. Pharmacologyonline 3:752-60.
178. Nayak Y, Abhilash D. Protection of cyclophosphamide induced myelosuppression by alcoholic extract of Pimenta dioica leaves in mice. Pharmacologyonline. 3:719-23.
179. Jayashree BS, Anjum NF, Nayak Y, Vijay Kumar D. (2008) Synthesis of substituted 3-hydroxy flavones for antioxidant and antimicrobial activity. Pharmacologyonline 3:586-95.
180. Pitchaiah G, Viswanatha GL, Srinath R, Nandakumar K. (2008) Pharmacological evaluation of alcoholic extract of stem bark of Erythrina variegata for anxiolytic and anticonvulsant activity in mice. Pharmacologyonline 3:934-47.
181. Joshi NC, Murugananthan N, Thabah P, Nandakumar K. (2008) Hypoglycaemic and antidiabetic activity ofTephrosia purpurea (linn) root extracts. Pharmacologyonline 3:926-33.
182. Sathisha MP, Revankar VK and Pai KSR. (2008) Synthesis, structure, electrochemistry and spectral characterization of bisisatin thiocarbohydrazone metal complexes and their antitumour activity against Ehrlich Ascites Carcinoma in Swiss albino mice. Metal based Drugs. (Article ID 362105).
183. Bhagath Kumar P, Muddanna SR, Gopalan Kutty N, MR Bhat MR, Mallikarjuna Rao C, Nayak SR. (2008) Petoleum Ether extract of Cissus quadrangularis (Linn) Stimulatses the growth of fetal bone during intra uterine developmental period: A morphometric analysis. Clinics. 63(6): 815-20.
184. Vasanth Raj P, Chandrasekhar RH, Vijayan P, Dhanaraj SA, Mallikarjuna Rao C, Venkata Rao J, Nitesh K. (2008) In Vitro and In Vivo hepatoprotective effect of Vitex negundo leaves. Pharmacologyonline 3:281-95.
185. Dong F, Reddy KM, Ren J, Nair S. (2008) Chromium (D-phenylalanine)3 supplementation alters glucose disposal, insulin signaling, and glucose transporter-4 membrane translocation in insulin-resistant mice. J Nut. 138:1846-51.
186. Sudheer KM, Unnikrishnan MK, Uma Devi P. (2008) Radioprotective effect of sulfasalazine on mouse bone marrow chromosomes*.* Mutagenesis. 23:285-92.
187. Sathisha MP, Revankar VK, Pai KSR. (2008) Synthesis and antitumor studies on novel Co(II), Ni(II) and Cu(II) metal complexes of bis(3-acetylcoumarin) thiocarbohydrazone. Eur J Med Chem. 43:2338-46.
188. Karthik A, Subramanian G, Mallikarjuna Rao C, Bhat K, Ranjithkumar A, Musmade P, Surulivelrajan M, Karthikeyan K, Udupa N. (2008) Simultaneous determination of pioglitazone and glimepiride in bulk drug and pharmaceutical dosage form by RP-HPLC method. Pak J Pharm Sci. 21(4):421-5.
189. Srikanth D, Shenoy RR, Mallikarjuna Rao C. (2008) The effects of topical (gel) astemizole and terfenadine on wound healing. Indian J Pharmacol. 40(4):170-4.
190. Jayashree BS, Arora S, Nayak Y. (2008) Antioxidant Analgesic and Anti-Inflammatory Activities of some Selected Heteroaryl Substituted Coumarins, Pharmacologyonline. 2:404-10.
191. Nayak Y, Abhilash D, Vijaynarayana K and Fernandes J (2008), Antioxidant and hepatoprotective activity of Pimenta dioica leaves extract, J Cell Tissue Res 8(3):1571-6.
192. Sreejayan N, Dong F, Machender RK, Yang X, Ren J. Chromium alleviates glucose intolerance, insulin resistance, and hepatic ER stress in obese mice. Obesity. 16(6):1331-7.
193. Gopalan Kutty N, Mathew SP, Khanna V, Zachariah RT, Kanji S, Mallikarjuna Rao C. (2008) Assessment of hypolipieaemic activity of three thiazolidin-4-ones in mice given high-fat diet and fructose, Chem Biol Interact. 171:363-8.
194. Mantena SK, Unnikrishnan MK, Chandrasekharan K. (2008) Radioprotection by Copper and Zinc Complexes of 5-Aminosalicylic Acid: A Preliminary Study. J Environ Pathol Toxicol Oncol. 27(2):123-34.
195. Mantena SK, Unnikrishnan MK, Joshi R, Radha V, Devi PU, Mukherjee T, In vivo radioprotection by 5-aminosalicylic acid. Mut Res. 650:63-79.
196. Shenoy RR, Arun TS, Patil PA. (2007) Effects of sodium iodide on inflammation and its interaction with aspirin and mefenamic acid in albino rats. Pharmacologyonline. 3:333- 50.
197. Bhagath Kumar P, Muddanna SR, Narayana Swamy VB, Gopalan Kutty N. (2007) Cissus quadrangularisplant extract enhances the Ossification of fetal bones. Pharmacologyonline 1:63-70.
198. Prabhakar KR, Veerapur VP, Bansal P, Kumar VP, Kandadi MR, Bhagat Kumar P, Priyadarsini KI, Unnikrishnan MK. (2007) Antioxidant and radioprotective effect of the active fraction of Pilea microphylla (L.) ethanolic extract. Chem Biol Interact. 165(1):22-32.
199. Mandeep K. Gopalan Kutty N, Mallikarjuna Rao C. (2007) Wound healing activity of NO-Aspirin: A pre-clinical study. Nitric Oxide: Biol Chem. 16:150-6.
200. Muddanna SR, Bhagath Kumar P, Narayana Swamy VB, Gopalan Kutty N. (2007) Cissus quadrangularis plant extract enhances the Development of cortical bone and trabeculae in the fetal femur. Pharmacologyonline. 3:190-202.
201. Kalia R, Mallikarjuna Rao C, Gopalan Kutty N. (2007) Synthesis and evaluation of the anti-inflammatory effect of N-[2(3, 5-di-tert-butyl-4-hydroxyphenyl)-4-oxo-thiazolidin-3-yl] nicotinamide. Arzneimittel Forschung Drug Res. 57(9): 616-24.
202. Vipan Parihar K, Dhwan J, Suryakant K, Manjula SD, Subramanian G, Unnikrishnan MK, Mallikarjuna Rao C. (2007) Free radical scavenging and radioprotective activity of Dehydrozingerone against whole body gamma radiation in Swiss albino mice. Chem Biol Interact. 170:49-58.
203. Sriharsha SN, Pai KSR, Suhas, Shashikanth S,Chandra N, Prabhu KR. (2007) Synthesis, docking and anti-tumor activity of β-l-1, 3-thiazolidine pyrimidine nucleoside analogues. Med Chem. 3:425-32**.**
204. Parihar VK, Prabhakar KR, Veerapur VP, Parihar KV, Priyadarsini KI, Unnikrishnan MK. Mallikarjuna Rao C. (2007) Anticlastogenic activity of morin against whole body gamma irradiation in Swiss Albino mice. Eur J Pharmacol. 557:58-65.
205. Prabhakar KR, Veeresh VP, Amit K, Mishra B, Barik A, Priyadarshini KI, Unnikrishnan MK. (2007) Effect of curcumin and curcumin copper complex (1:1) on radiation induced changes of anti-oxidant enzymes levels in the livers of Swiss albino mice. J Radiat Res. 48:241-5.
206. Vipan KP, Prabhakar KR, Veeresh VP, Sudheer Kumar M, Reddy YR, Ravi J, Unnikrishnan MK, Mallikarjuna Rao C. (2006) Effect of sesamol on radiation induced cytotoxicity in Swiss albino mice. Mut Res. 611(1-2):9-16.
207. Prabhakar KR, Veeresh VP, Vipan K, Priyadarsini KI, Satish Rao BSS, Unnikrishnan MK. (2006) Evaluation and optimization of in vivo radioprotection of Coronopus didymus in γ irradiated mice. Int J Rad Biol. 82(8):525-36.
208. Prabhakar KR, Veerapur VP, Bansal P, Parihar VK, Reddy KM, Barik A, Kumar B, Reddy D, Reddanna P, Priyadarsini KI, Unnikrishnana MK. (2006) Identification and evaluation of antioxidant, analgesic/anti-inflammatory activity of the most active ninhydrin–phenol adducts synthesized. J Bioorg Med Chem. 14(21):7113-20.
209. Prabhakar KR, Veerapur VP, Kumar V, Sudheer Kumar M, Priyadarsini KI, Satish Rao BSS, Unnikrishnan MK. (2006) Bioactivity Guided Fractionation ofCoronopus didymus: A Free Radical Scavenging Perspective. Phytomedicine. 13(8):561-95.
210. Kaushal M, Kutty NG, Mallikarjuna Rao C. (2006) Nitrooxyethylation Reverses the Healing-Suppressant Effect of Ibuprofen, Mediat Inflam. (Article ID 24396):1–7.
211. Mishra B, Priyadarsini KI, Sudheer Kumar M, Unnikrishnan MK, Mohan H. (2006) Pulse radiolysis studies of mangiferin: A C-glycosyl xanthone isolated from Mangifera indica. Rad Phy Chem. 75:70-7.
212. Joshi R, Sudheer Kumar M, Satyamoorthy K, Unnikrishnan MK, Mukherjee T. (2005) Free radical reactions and antioxidant activities of sesamol: Pulse radiolytic and biochemical studies. J Agr Food Chem. 53(7):2696-703.
213. Joshi R, Sudheer Kumar M, Unnikrishnan MK, Mukherjee T. (2005) Free radical scavenging reactions of sulfasalazine, 5-aminosalicylic acid and sulfapyridine: Mechanistic aspects and antioxidant activity. Free Rad Res. 39(11): 1163–72.
214. Sudheer Kumar M, Mutalik S, Srinivasa S, Subramanyan G, Prabhakar KR, Reddy KR, Srinivasan KK, Unnikrishnan MK. (2005) Antiallergic, antipyretic, hypoglycemic and hepatoprotective effects of aqueus extract of Coronopus didymus Linn. Biol Pharm Bull. 28:468-72.
215. Kumar VP, Sudheer Kumar M, Manjula SD, Krishnanand BR, Shanbhag R, Unnikrishnan MK. (2005) 5-Amino salicylic acid reverses endosulfan-induced testicular toxicity in male rats. Mut Res. 585:50-9.
216. Babu H, Gupta A, Srinivasan KK, Pai KSR. (2005) Synthesis and biological evaluation of benzofuran incorporated Benzodiazepines. Indian J Heter Chem. 14:267-8.
217. Dubey AK, Ahalya Devi P, Kutty NG, Ravi Shankara. (2005) Hypolipidaemic effects of standardized Gingko biloba extract Egb761 in Wistar Rats. Iranian J Pharmacol. 4(1):9-12.
218. Joy JM, Jacob, N, Kutty NG. (2005) Evaluation of hypoglycaemic effects of 4-thiazolidinones. Indian Drugs. 42(1):47-51.
219. Shanbhag T, Shenoy S, Rao M.C. (2005) Wound healing profile of Tinospora cordifolia. Indian Drugs, 42(4): 217-21.
220. Sudheer Kumar M, Kumar V, Unnikrishnan MK, Naik GH, Misra B, Priyadarsini KI, Hari M. (2004) Antioxidant activity and Free radical reactions of Antimalarial Drugs, Primaquin and Chloroquin” Proceedings of Trombay Symposium on Radiation and Photochemistry [TSRP 2004] Volume II p 207.
221. Sudheer Kumar M, Sridhar Reddy B, Kiran Babu S, Bhilegaonkar PM, Shirwaikar A, Unnikrishnan MK.(2004) Anti-inflammatory and anti-ulcer activities of phytic acid. Indian J Exp Biol.42:179-85.
222. Jacob N, Kutty NG. (2004) Synthesis and hypolipidaemic effects of 2-(p-methoxyphenyl)-3-nicotinamido-thiazolidin-4- one. Indian Drugs. 41(2):76-9.
223. Venkatesan P, Unnikrishnan MK, Sudheer Kumar M, Rao MNA. (2003) Effect of curcumin analogs on oxidation of hemoglobin and lysis of erythrocytes. Curr Sci. 84:74-8.
224. Sudheer Kumar M, Srinivasan KK, Unnikrishnan MK. (2003) Hesperidin inhibits nitrite-induced methemoglobin formation. Indian J Pharm Sci. 65:436-38.
225. Sudheer Kumar M. Jagadish PC, Badduri SR, Siripurapu KB, Unnikrishnan MK. (2003) In Vitro Evaluation of Antioxidant Properties of Cocos nucifera Linn. Water. Food Nahrung. 47:126-31.
226. Priyadarsini KI, Naik GH, Maity DK, Sudheer Kumar M, Unnikrishnan MK, Satav JS, Hari M. (2003) Phenolic OH is the preferred site of free radical attack on curcumin. Free Rad Biol Med. 35(5):475-84.
227. Sudheer Kumar M, Unnikrishnan MK, Hari M, Mishra B, Priyadarsini KI. (2003) Effect of O-glycosylation on the Antioxidant activity and free radical reaction of plant flavonoid Chrysoeriol. J Bioorg Med Chem. 11:2677.
228. Sudheer Kumar M, Murthy K, Srinivasan KK, Unnikrishnan MK. (2003) Naringin and Naringenin Inhibits Nitrite-Induced Methemoglobin Formation. Pharmazie 58:564-6.
229. Sudheer Kumar M, Unnikrishnan MK, Uma Devi P. (2003) Effect of 5-Aminosalicylic Acid on Radiation-induced Micronuclei in Mouse Bone Marrow.Mut Res. 527:7-14.
230. Mutalik S, Parudhavi K, Mallikarjuna Rao C. Udupa N. (2003) Antipyretic and analgesic effect of leaves of Solanum melongena Linn. in Rodents. Indian J Pharmacol. 35: 312-5.
231. Parameshwar S, Srinivasan KK, Mallikarjuna Rao C. (2002) Oral anti-diabetic activities of different extracts of Caesalpinia bonducella seed kernels. Pharm Biol, 40:590-5.
232. Mallikarjuna Rao C, Ghosh A, Rahothma C, Bairy KL. (2002) Does metronidazole reduce lipid peroxidation in burn injuries to promote healing. Burns, 28:427– 9.
233. Bairy KL, Roopa K, Malini S, Mallikarjuna Rao C. (2002) Protective effect of Tinospora cordifolia on experimentally induced gastric ulcers in rats. J Nat Remedies, 2:49-53.
234. Vaidya VP, Pai KSR, Shreedhar CS. (2001) Analgesic and anticatatonic activity of tuberous root of Mormordica dioica Roxb, Kuvempu Univ J. 2001: 13-18.
235. Shreedhar CS, Pai KSR, Vaidya VP. (2001) Post coital antifertility activity of the root of Mormordica dioica Roxb. Ind J Pharm Sci. 63:528-31.
236. Vagdevi HM, Latha KP, Vaidya KP, Vijay Kumar ML, Pai, KSR. (2001) Synthesis and pharmacological screening of some novel naphtha [2,1-b] furo-pyrazoline isoxazoles and isoxazolines. Indian J Pharm Sci.63:286-91.
237. Bairy KL, Rao CM. (2001) Wound healing profiles of Ginkgo biloba*.* J Nat Remedies. 1:25-7.